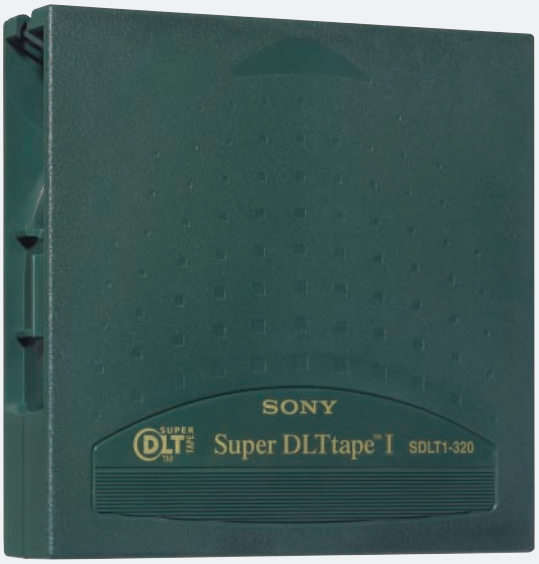
SONY

Sony Storage Media

Super DLTtape™ 1
Innovative Super DLT format delivers high storage capacity.



Super DLTtape I

Holds up to 320GB, with 32MB/s transfer speed

Using the SDLT320 drive, a single Super DLT cartridge can store 160GB native or 320GB compressed, with impressively fast data transfer rates reaching 16MB/s native or 32MB/s compressed.

*With the SDLT220 drive, capacity is 110GB native, 220GB compressed and transfer speed is 11MB/s native and 22MB/s compressed.

Higher durability and tape travel stability

Thanks to a new cartridge design, Sony Super DLTtape has the durability to withstand repeated load/unload cycles in library environments. The new cartridge also contributes to improved tape travel stability.

Sharply reduced error rate

Sony sharply reduced the error rate during high density recording by improving tape surface smoothness and using a thinner magnetic layer, both of which are key to higher storage capacity in magnetic tape media.

1/2" DATA CARTRIDGE

DLTtape is a registered trademark of Quantum Corporation.

Super DLTtape I

1/2" DATA CARTRIDGE

First optical servo in the industry

Increased recording track density is essential to higher storage capacity. Super DLT features the industry's first optical servo technology, providing the tracking precision that is crucial to reading these narrower tracks.

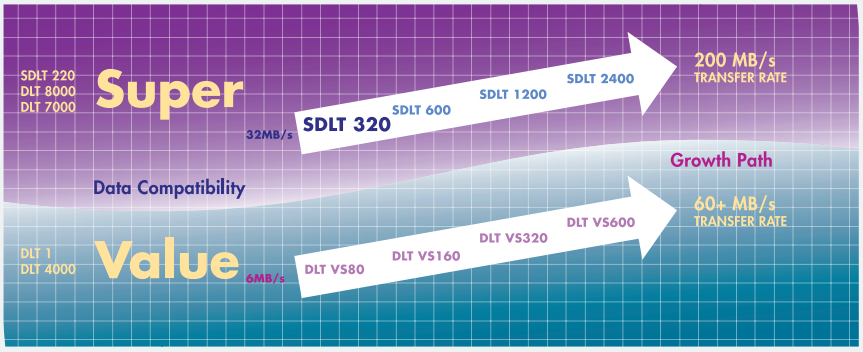
Migration path to the future

While maintaining compatibility with previous-generation DLT products, the Super DLTtape format offers continuing improvements in recording capacity. This migration path means a long-term storage platform that you can use with confidence.

Compatibility

Product	Format	Capacity	SDLT-320	SDLT-220	DLT1	DLT8000	DL7000	DLT4000
SDLT	SDLT-320	160GB/320GB	R/W					
	SDLT-220	110GB/220GB	R/W	R/W				
DLT IV	DLT1	40GB/80GB	R	R	R/W			
	DLT8000	40GB/80GB	R	R		R/W		
	DLT7000	35GB/70GB	R	R		R/W	R/W	
	DLT4000	20GB/40GB	R	R	R	R/W	R/W	R/W

Roadmap



Source :Quantum Corporation

SDLT1-CL

Mechanical Characteristics	SDLT1-320	
	SDLT320 Drive Use	SDLT220 Drive Use
Recording Capacity (*Compressed)	160GB (*320GB)	110GB (*220GB)
Maximum Data Transfer Rate (*Compressed)	16MB/s (*32MB/s)	11MB/s (*22MB/s)
Recording Density (kbpi)	193	133

Tape Width (mm)	12.65
Tape Thickness (µm)	9.0
Tape Length (m)	564
Track Pitch	448

*Compression ratio 2:1

Dimensions

External Dimensions (mm) : 105.4×105.8×25.4
Weight (g) : 222.5 (cartridge only)

Environmental Requirements

Operation Conditions (°F(°C);%RH) : 50~104 (10~40);20~80*
Storage Conditions (°F(°C);%RH) : 60~90 (16~32);20~80*
Transportation Conditions (Unrecorded) (°F(°C);%RH) : -9~118 (-23~48);5~80*
Transportation Conditions (Recorded) (°F(°C);%RH) : 41~90 (5~32);5~80*

*Maximum wet bulb temperature : 79°F(26°C) at no condensation.

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For more Information, visit our website at
http://www.sony.co.jp/datamedia